

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|--|------------------|---------|------------------|
| L1 | 26 | "5622868" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/23 12:55 |
| S1 | 6 | ("4070284" "4154583" "4500432" "5117109" "5449902" "5512168").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO | AND | ON | 2007/05/08 18:42 |
| S2 | 38 | ("4070284").URPN. | USPAT | AND | ON | 2007/05/08 18:47 |
| S3 | 22 | ("4454043").URPN. | USPAT | AND | ON | 2007/05/08 18:48 |
| S4 | 10 | ("3686117" "3700695" "3950402" "3954848" "3966596" "3969398" "3977860" "4070284" "4073725").PN. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/05/08 19:36 |
| S5 | 10 | ("4454043" "4724081" "4806250" "5443734" "5503805" "5641406" "5705061" "5792431" "5872010" "5906724").PN. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/05/08 19:38 |
| S6 | 10 | ("3458437" "3686117" "4204952" "4267054" "4274967" "4314823" "4454043" "4551288").PN. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/05/08 19:39 |
| S7 | 23 | ("4724081").URPN. | USPAT | AND | ON | 2007/05/08 19:39 |
| S8 | 40 | ("4990259").URPN. | USPAT | AND | ON | 2007/05/08 19:42 |
| S9 | 22 | ("4454043").URPN. | USPAT | AND | ON | 2007/05/09 13:17 |
| S10 | 10 | ("3458437" "3686117" "4204952" "4267054" "4274967" "4314823" "4454043" "4551288").PN. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/05/09 13:17 |
| S11 | 1801 | (switching same valve\$2) and column\$2 and pump and analysis | US-PGPUB; USPAT; USOCR | AND | ON | 2007/05/09 13:19 |
| S12 | 22 | S11 and (reversing near4 valve\$2) | US-PGPUB; USPAT; USOCR | AND | ON | 2007/05/09 13:23 |
| S13 | 40 | S11 and ((revers\$5 near5 (fluid or sample)) same analysis) | US-PGPUB; USPAT; USOCR | AND | ON | 2007/05/09 13:24 |
| S14 | 14 | ("3530721").URPN. | USPAT | AND | ON | 2007/05/09 13:28 |
| S15 | 11 | ("4007626").URPN. | USPAT | AND | ON | 2007/05/09 13:31 |

EAST Search History

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| S16 | 29 | ("3447360" "3483731" "3585002" "3803384" "3877894" "4003257" "4007626" "4380168" "4512897" "4521225" "4535620" "4754136" "4982052" "5049509" "5104810" "5116764" "5152176" "5250093" "5297433" "5312756" "5435169" "5447556" "5492555" "5578271" "5591406" "5637787").PN. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/05/09 13:33 |
| S17 | 28 | ("5152176").URPN. | USPAT | AND | ON | 2007/05/09 13:42 |
| S18 | 0 | S11 and (extraction nera4 process) | USPAT | AND | ON | 2007/05/09 13:42 |
| S19 | 248 | S11 and (adsorbent) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/05/09 13:42 |
| S20 | 1 | ("5109714").URPN. | USPAT | AND | ON | 2007/05/09 13:47 |
| S21 | 20 | ("3211007" "3286530" "3349625" "3482452" "3500675" "3555912" "3884083" "3969242" "4067959" "4270925" "4305291" "4414111" "4645689" "4704245").PN. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/05/09 13:48 |
| S22 | 10 | ("5208160").URPN. | USPAT | AND | ON | 2007/05/09 13:50 |
| S23 | 28 | ("5322626").URPN. | USPAT | AND | ON | 2007/05/09 13:51 |

EAST Search History

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| S24 | 56 | ("3046098" "4168324" "4246291" "4247385" "4250331" "4283280" "4308200" "4313828" "4341804" "4345976" "4349415" "4354922" "4363717" "4375387" "4388171" "4397731" "4400559" "4406742" "4422966" "4437938" "4437939" "4438816" "4447310" "4448669" "4449586" "4451363" "4451364" "4457812" "4457846" "4474994" "4478715" "4493797" "4495095" "4500432" "4512899" "4547292" "4568495" "4584140" "4597943" "4601906" "4632837" "4816159" "4840730" "4871453" "4892654" "4913821" "4969993" "4984602" "5004538" "5009778" "5013443" "5094741" "5133859" "5151178" "5240603").PN. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/05/09 15:33 |
| S25 | 717 | 422/70 and column\$2 and valve\$2 | US-PGPUB; USPAT; USOCR | AND | ON | 2007/05/09 15:34 |
| S26 | 608 | S25 and pump | US-PGPUB; USPAT; USOCR | AND | ON | 2007/05/09 15:34 |
| S27 | 426 | S26 and (port\$2 or rotary) | US-PGPUB; USPAT; USOCR | AND | ON | 2007/05/09 15:34 |
| S28 | 18 | ("4446105").URPN. | USPAT | AND | ON | 2007/05/09 15:37 |
| S29 | 25 | ("3373872" "3508880" "3676649" "3923460" "3926559" "4003243" "4271697" "4364263" "4446105" "4577492" "4699718" "4751185" "4859342" "4952126" "5071547" "5093267" "5135718" "5234586" "5419208" "5630943" "5645728" "5983703" "6175409").PN. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/05/09 15:40 |
| S30 | 27 | ("3373872").URPN. | USPAT | AND | ON | 2007/05/09 15:45 |
| S31 | 16 | ("5630943").URPN. | USPAT | AND | ON | 2007/05/09 16:18 |
| S32 | 20 | "5630943" | USPAT | AND | ON | 2007/05/09 16:19 |

EAST Search History

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| S33 | 69 | (direction near5 revers\$5 near5 valve\$2) and column and adsorbent | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/23 12:55 |
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